Center for Career Training
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Lesson Plan Artificial Intelligence

Introduction
ITSW 10XX — Artificial Intelligence

The objective of this course is to introduce students to the fundamentals of artificial intelligence, including its applications, benefits, and limitations. Students will explore how AI is used in industries such as healthcare, business, and transportation. The course also examines ethical concerns, including bias, privacy, and job displacement, while providing hands-on experience with basic AI tools. Lec 20, Lab 00, Ext 00, Total hours 20. [Prerequisites: None]

Lesson Goals
Understanding Artificial Intelligence and Its Real-World Impact

Lesson Duration
1 class period (approximately 90-120 minutes)

Learning Objectives

- Define artificial intelligence and identify common AI applications.
- Describe how AI is used in different industries.
- Analyze the benefits and drawbacks of AI technology.
- Demonstrate basic use of AI tools.
- Discuss ethical and responsible use of AI.

Materials Needed

Internet access
Projector or smartboard
Handouts with discussion questions (optional)
Paper and pens for students

Lesson Procedure

1. Introduction (10 minutes):

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Ask: “Where have you seen AI in your daily life?”
Write responses on the board (phones, cars, Netflix, etc.)

2. Direct Instruction (25 minutes):

A. Define AI and explain basic concepts
B. Provide examples:
C. Automation (chatbots)
D. Healthcare (diagnosis tools)
E. Transportation (self-driving cars)
F. Introduce benefits and drawbacks:
G. Efficiency vs job loss
H. Innovation vs ethical concerns

3. Class Activity (25 minutes):
Students work in small groups or do as a class:
Group 1: Benefits of AI
Group 2: Risks of AI
Group 3: AI in real-world industries
Each group presents findings

4. Hands-On Activity (20 minutes):
Students use an AI tool to:

- Generate a short paragraph
- Ask a question and evaluate the response
- Discuss:
- Accuracy
- Bias
- Usefulness

5. Discussion (10 minutes):
Prompt questions:
“Should AI replace human jobs?”
“Can AI be trusted?”
“What rules should AI follow?”

Assessment
Write a 3-5 paragraph essay on “How I Can Use AI in My Business”.

Extension Activities
Create a presentation on AI in a chosen career field

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Research a real AI tool and explain how it works

The instructor has a right to amend this syllabus as needed.

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